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(A) METHOD OF MANUFACTURING MINUTE METALLIC BALLS UNIFORM IN SIZE.

A method of manufacturing minute metallic balls
 (20) uniform in size comprising the steps of making
 short places (16; 10) of metallic wire by cutting a
 fine metallic wire (1) to a given length and shaping

said pieces into balls by heating and melting them at a temperature higher than the melting point of said metal

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in each a manner as to lead such when without any bound.

Thus, one of the critical landers of the present invention eached in the critical landers of the present invention eached in the critical landers in that distribution and the in the critical landers in that the critical case in the critical landers in that the critical case in the critical landers in that the critical case in the critical landers in that the critical case in the critical landers in that the critical case in the critical landers in this that critical case in the critical landers in the landers case in the critical landers in the landers of the critical landers in the landers in the critical landers in the landers and the landers and the critical landers in the landers and the landers and the landers and the critical landers in the landers and the landers and the critical landers in the landers and the

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## Working Example 2

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The concept of Whating Example 2 will be described with reference to Fig. 8.

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## (Third Embodiment)

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As has been described, in the Eth embodiment of the present invention, it is possible to continuously can it also means were such a first own of the product which a lingh original control in the product with the professor during copys breasts of the product with professor during copys breasts or in provided with professor during copys breasts or in providing the production embodiment of the provided with the professor during copys breasts or in providing the production embodiment of the providing copys breasts of inproving the production embodiment of the providing copys breasts of interesting and the sound of the present production of the providing copys breasts of the providing copys breasts of the product of the present promote formation is connected by embryon for the sound of the present production of the sound of the providing copys breasts of the product of the present production of the providing copys breast of the production of the providing copys breast of the production of the produ

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A second working example will be described to below with reterrence by Fig. 18. Fig. 19 is a softward control of the properties with reterrence by Fig. 18. Fig. 19 is a softward control of the special contr

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structured and the pressure Mi when they are family structured to each other. In this working example, a gold viet (fire metal viets) heeting a demoster of 20 and no used to produce gold operate flow metal authors having a demoster of 20 and no used to produce gold operate flow metal authors having a demoster of 20 and no used of produces and produces and authors having a demoster of 20 and no used and operate for several sections. In the demoster of the base price to 10 be broaded of a basi-evaluated continued to 10 and the most of the base price to 10 be broaded of a basi-evaluated continued to 10 and the most of the base price to 10 be broaded of a basi-evaluated continued to 10 and the most of the base price to 10 be broaded on the continued of the base price to 10 be broaded on the continued of the base price to 10 be to 20 and the produced to

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As described above, this invention makes it possible to adherably produce five most springer. In healing a subtime size unto a statisticative configuration and his-casing no firmations in terms of purity and composition, so that the movide of this presention can be applied to the production of the most achieves of a cultum tibre to be used as burnes sequented in the field of seminormology postography.

### Chime

- 4. A method of producing the methol spheme with a high degree of unbornity in atts, comprising the stops of thombig needs their objects by adting a five metal who at a constant langus and heating each email who object to be important above the metaling point thereof so as to metal with metal who object, hearing appreciating self metal who object.
- 8. A medical according to Claim 1, wherein test state for lumbing said contact who chips by contrain instances this empty of surroging a gustally of lumbine mosts who other in pessals on a fast base pints and custing said ulmbine metal who chips by a custing its reading custing edges which are erranged at a constant place.
- 2. A melhod according to Claim 1, wheels said step for braving said saids who chips by coltro includes activating, when a line casts wis right in tid by a predictorshind largest cast of the cuttet end of a guide having a line hisman look, a cutting device which is rerruped in the claim.
- guide.

  4. A method according to Châns 1, who sets said step for furning said entail view chips by custing lands the step so the properties a public to the properties a public to the heart of the channel born which allows the heart was to poss the well-rough, and a guide Y hawing a time interned bone of a demonster greater than that is seed guide X, as demonster greater than that is said guide as well with each other, intervent guide the sensel with each other, intervent guide the sensel with the chort, intervent guide the sensel with the chort, intervent guide the sensel with the production of the sensel with the channel begins and the intervent born of said guide X until and guide Y, and causing a method movement between said spatises are as to produce a shearing effect by the opposing ends of the bee publics.
- A method according to Claim 1, wherein said as step for farming said restal who chips by cutting includes the steps oft helding the end of said fare meat wire consiging from the cultet

- said holding device to extract said the magawire from said guide by a predesentance single; and calling said the mater wire by a calling device which to disposed in close prolettly of said holding device.
- 6. A method eccording to Claim 1, wheever soci step to Envirsio exist exist who claip to tratra from the claim of the claim of the claim created who by a president existing south the cubit who by a mean of freed robs arranged on the cubits who of many claim of comparison of cubits who by means of a cotting device and the claim of the claim of the claim of the claim to present of these processing or said beat robs.
- in interest and a contracting at Casin I, element as an element and protection of the contracting of a contr
- A mathed according to Chica 7, wherein sat second roll has an outer peripheral author ratios formed of an abade metads.
- as 8. A readed according to Clafen 1, vieweds to step of heading acid mastel wire claips of the constant length inclusion attending cold main wire chips to feasily poll timuspin, a welczely oriented threace core tube as in to heat mail on the cold of the harponisher above the matter point thereof, thereby matting point thereof, thereby matting submattactor self matter wire chips.
- A method according to Claim 8, wherein a 8d
   is provided on the lower and of acid furnace core tube.
- 11. A method according to Castor I, wherein to exp or heeting seld metal whe chips of the constant length includes arreging, an a conveyor messe, said nested who chips in a spaced state such other, and conveying said appeared state such other, and conveying said the metal heeting said nested who chips to a temperature above the metaling point thereof ed as to metal said nested who chips.
- 12. A contract ecception to Calm 1, wherein the

dags of heading sald matel who drips of the constant largift hickules enreights, on a conveyor mean, said matel who strips in a spatial entire each cone, and invaliding sald matel who calls will be light-energy beam with sald matel who only is being conveyed. Geneticy heading said matel who others to a temperature above the mateling point familial an are to mail and matel who office.

- A method according to Claim 12, wherein said mater who chips are translated with sale highenergy beam which has been condensed through a light condensing means.
- 14. A method of producing this metal spheres, concepting the stage of stretching a five metal valve or the log nativo of a heavingstant bise plate heaving a more, and heating the stretched five motel who he temperature show the metal who he temperature show the metal valve. Thereties notice who, thereby structures of size the metal valve, thereby structures of size the metal
- 18. A method of producing the cretal aphenes according to Claim 14, wherein each beau postehas a pluridly of seld recessor, as best the operage of said recessor over which each the aretal wire to stratched having an equal state.
- 1b. A meltiod of producing the metal sphere according to Claim 14 or 13, whenth satel that notal whe is heating and motipe after a prolog cover in pleased on the top surface of satel base plate on which satel five metal wire to stretched.

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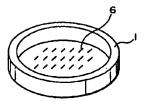
with chico so that the time wire chips are not a contact with each other; and heating the fin wire chips to torm them into the soft meta reference the oth time reference.

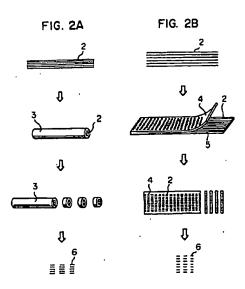
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- 6. (After emendment) A method according to the claim 8, wherein the outer periphery of said
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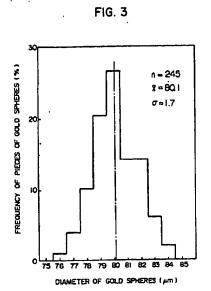
- and apharoidzing of the line wire are effects structureously.
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FIG. I







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FIG. 4

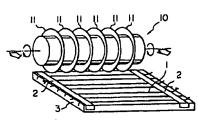
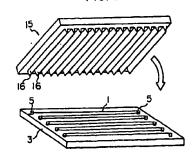
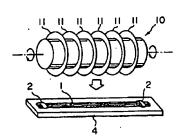


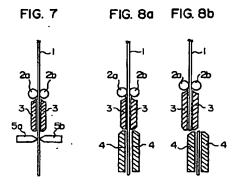
FIG. 5

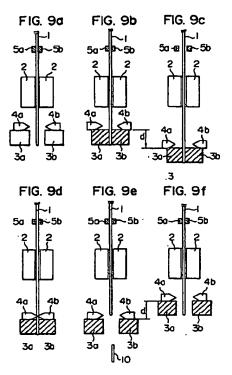


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FIG. 6

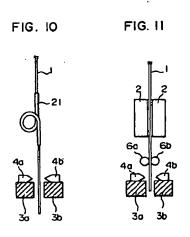


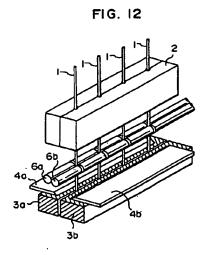




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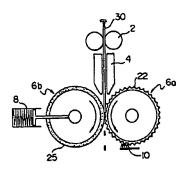


FIG.14

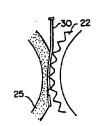




FIG. 17

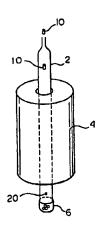


FIG. 15

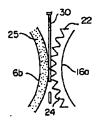
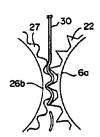


FIG. 16



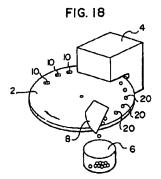


FIG. 19

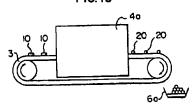
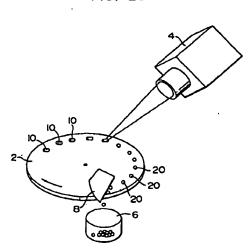


FIG. 20





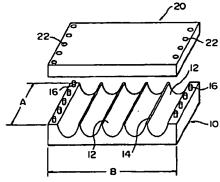


FIG. 21B

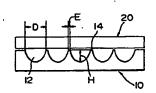
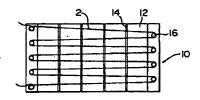


FIG. 22



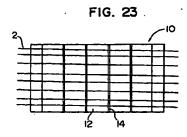


FIG. 24

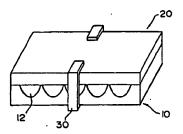


FIG. 25

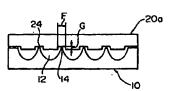
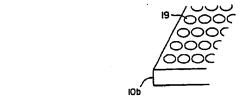


FIG. 28



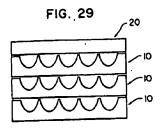


FIG. 30

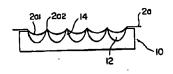


FIG. 26

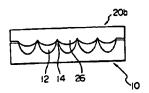
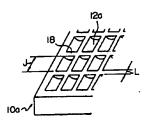


FIG. 27



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